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(54) MULTILAYER IRIDESCENT PIGMENT BASED ON OPAQUE SUBSTRATE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a pigment having high masking power and exhibiting remarkable color flop.

SOLUTION: The objective multilayer iridescent pigment is based on an opaque or translucent non-metallic flaky substrate coated in multiple layers and composed of at least (a) a 1st layer containing a metal or a metal oxide having high refractive index, (b) a 2nd layer containing a metal oxide having low refractive index, (c) a 3rd layer containing metal or a metal oxide having high refractive index and optionally (d) additional layers. The flaky substrate is preferably selected from graphite flake; flaky carrier material coated with ilmenite, magnetite, $\text{Cu}_x\text{Mn}_{3-x}\text{O}_4$ or graphite; a carbon-containing pigment or SiO_2 flake integrated with carbon black.

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